

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 2, 2003, 15:13:35 ; Search time 19 Seconds

2105.296 Million cell updates/sec

Title: US-08-404-832-2

Sequence: 1 MESSKKMDSPGALQTNPLK.....IKDDTIFIKVI VDTSDLPP 567

Scoring table: BLOSUM62

Searched: 257854 seqs, 70547834 residues

Total number of hits satisfying chosen parameters: 257854

```
Minimum DB seq length: 0
Maximum DB seq length: 20000000000
```

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

1: Pending Patents AA.New*:
2: /cgn2_6/prodataa1/paa/PEI_NEW_COMB.dep: *
3: /cgn2_6/prodataa1/paa/US06_NEW_COMB.dep: *
4: /cgn2_6/prodataa1/paa/US07_NEW_COMB.dep: *
5: /cgn2_6/prodataa1/paa/US08_NEW_COMB.dep: *
6: /cgn2_6/prodataa1/paa/US10_NEW_COMB.dep: *
7: /cgn2_6/prodataa1/paa/US10_NEW_COMB.dep: *
8: /cgn2_6/prodataa1/paa/US60_NEW_COMB.dep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	828	27.6	501	6	US-10-283-500-4	Sequence 4, Apple
2	688	22.9	519	5	US-09-724-676-53797	Sequence 53797, A
3	688	22.9	519	5	US-09-724-676A-53797	Sequence 53797, A
4	675.5	22.5	308	5	US-09-724-676-84446	Sequence 84446, A
5	675.5	22.5	308	5	US-09-724-676A-84446	Sequence 84446, A
6	652	21.7	536	5	US-09-724-676-53796	Sequence 53796, A
7	652	21.7	536	5	US-09-724-676A-53796	Sequence 53796, A
8	629	20.9	409	6	US-10-283-500-2	Sequence 2, Apple
9	554	18.4	470	7	US-60-423-586-89	Sequence 89, Apple
10	554	18.4	470	7	US-60-427-194-89	Sequence 89, Apple
11	249	8.3	46	5	US-09-716-536-10	Sequence 10, Apple
12	198	6.6	631	6	US-10-197-666A-116	Sequence 116, Apple
13	198	6.6	1098	6	US-10-216-774-2074	Sequence 2074, Apple
14	196	6.5	641	6	US-10-197-666A-114	Sequence 114, Apple
15	194	6.5	641	6	US-10-197-666A-112	Sequence 112, Apple
16	194	6.5	670	6	US-10-197-666A-150	Sequence 150, Apple
17	192.5	6.4	600	6	US-10-197-666A-120	Sequence 120, Apple
18	188	6.3	631	6	US-10-197-666A-144	Sequence 144, Apple
19	186.5	6.2	72	6	US-10-233-138A-11026	Sequence 11026, Apple
20	179	6.0	59	5	US-09-724-676-84447	Sequence 84447, A
21	179	6.0	59	5	US-09-724-676A-84447	Sequence 84447, A
22	174	5.8	667	6	US-10-197-666A-118	Sequence 118, Apple
23	141	4.7	987	5	US-09-724-676-85178	Sequence 85178, A
24	141	4.7	987	5	US-09-724-676A-85178	Sequence 85178, A
25	141	4.7	1074	5	US-09-724-676-85177	Sequence 85177, A
26	141	4.7	1074	5	US-09-724-676A-85177	Sequence 85177, A

ALIGNMENTS

27	141	4.7	1109	5	US-09-724-678-85175	Sequence	85175	A
28	141	4.7	1109	5	US-09-724-678-85176	Sequence	85176	A
29	141	4.7	1109	5	US-09-724-678A-85175	Sequence	85175	A
30	141	4.7	1109	5	US-09-724-678A-85176	Sequence	85176	A
31	141	4.7	1111	5	US-09-724-678-85173	Sequence	85173	A
32	141	4.7	1111	5	US-09-724-678-85174	Sequence	85174	A
33	141	4.7	1111	5	US-09-724-678A-85173	Sequence	85173	A
34	141	4.7	1111	5	US-09-724-678A-85174	Sequence	85174	A
35	141	4.7	1347	5	US-09-724-678-85172	Sequence	85172	A
36	141	4.7	1347	5	US-09-724-678A-85172	Sequence	85172	A
37	141	4.7	1334	5	US-09-724-678-85171	Sequence	85171	A
38	141	4.7	1334	5	US-09-724-678A-85171	Sequence	85171	A
39	141	4.7	1469	5	US-09-724-678-85169	Sequence	85169	A
40	141	4.7	1469	5	US-09-724-678-85170	Sequence	85170	A
41	141	4.7	1469	5	US-09-724-678A-85169	Sequence	85169	A
42	141	4.7	1469	5	US-09-724-678A-85170	Sequence	85170	A
43	141	4.7	1471	5	US-09-724-678-85167	Sequence	85167	A
44	141	4.7	1471	5	US-09-724-678-85168	Sequence	85168	A
45	141	4.7	1471	5	US-09-724-678A-85167	Sequence	85167	A

RESULT 1

; Sequence 4, Application US/10283500

APPLICANT: Goeddel, David V.

TITLE OF INVENTION: Tumor Necrosis

CORRESPONDENCE ADDRESS:

STREET: 460 Point San E

STATE: California

ZIP: 94080

MEDIUM TYPE: 3.5 inch,

OPERATING SYSTEM: PC-DC

CURRENT APPLICATION DATA:

FILING DATE: 30-Oct-2000

PRIOR APPLICATION DATA:

FILING DATE: 07-Jan-1998

NAME: Dreger, Ginger R.

REFERENCE/DOCKET NUMBER

TELEPHONE: 415/225-3216

TELEX: 910/371-7168

SEQUENCE CHARACTERISTICS:

TYPE: Amino Acid

SEQUENCE DESCRIPTION: SEQ ID
10102001: ZINC

C
C
F
C
B
C
C
C
C
C

Best Local Similarity 33.48; Pre

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

[illegible]

```

Db 2 AASTVSTSGSLLELP-----GSKTLLGRLAKTLCSCACKITLR 42
OY 62 SPKQTEGCHRFECESOMALLSSSPKCTAC-----OESI----VKDVFKDNCKREILA 112
Db 43 RPFQACGSHFYCSPCLTSLSSGPNQACACUYEBGLYEGISLLESSAFPDMNAREVES 102
OY 113 LQITCRNNSRCCAEOLMGLVHLKNDCHFEELPCVR---POCKEKYLRKDLRDHYEKAC 169
Db 103 LPVAVPNPND--CCTWK---GTLKEYES--CHEGLCPFLTECPBACGLVRLSEKEHNTEQEC 156
OY 170 KYREATGCHCKSQVPMIALKHEPTDPCPVVNSCPHKCSQVOTLLRSLSLHLSHCYVAPS 229
Db 157 PKRSLSCCHCAPOCSHVDLEHYEV--CPKPEPLTC--DCGKKKIKPIRETFODHVACSKRV 214
OY 230 TCSFERYCVCQGTNOOIKAHENASAAYOVHVLTKEMSNLEKYS-----LLONE 279
Db 215 LCRFTYVCSSEWETENLODHEORLKBHALL--LSSFLEAQSPTLMDQVPELLORC 272
OY 280 SVEKNKSIOSLHNOICSEFELIEBOKEMLRNNEKSLHLORVIDSOAEKLEKDELKPIRP 339
Db 273 QILEOK--TATPENIVCYLNRVER-----VAVTAEACSQHRIDDO--- 312
OY 340 RONNEADSMKSVESLONRTYELSEYDSKAGOVARTGLLESOLSRHDOMLSVHDIRLA 399
Db 313 -----KIEALSNKVOOLE-----RSIGL-----KDLAMA 336
OY 400 DMDGLFOVLEASTVANGVILKIRBYKRRKOEAVMGKTLISQSPFYTGFGYKMCARVYL 439
Db 337 DLEOKVSELEVSTIDGAFIMKISDFTKRROAAVAGKRPALFSPAEFYSRIGYKMCIRVYL 366
OY 460 NGDGMGKTHLSLFFVIMRGEYDALLPMPKQKOTLMLMQGSSRRHLGAFKPPDSSS 519
Db 397 NGDGGRGTHLSLFFVYMKGPNDALLMPFNOKVTLLMLLDH--NNREHVIDAFRPDVTSSS 455
OY 520 FKAKTGEAMNASCPCPVVAQVLE--NGTYIKDITFIKVIYDTSDL 564
Db 456 FORPVSMDNINASCPLCPYKSMKAPKSVYADALIFKALIVDTGL 501

```

```

RESULT 2
US-09-724-676-53797
; Sequence 53797, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724.676
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: patentIn version 3.2
; SEQ ID NO 53797
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676-53797

Query Match
Best Local Similarity 33.1%; Score 688; DB 5; Length 519;
Matches 175; Conservative 84; Mismatches 173; Indels 96; Gaps 21;

QY 63 PKQTECGHRECESCMAALLSSSPKCTAC-OESIVKRV-----FRDNCKKREILAL 113
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 62 PFOAGCGHRCYSFCILASITSSGPNCGACVHGIEEGISILESSAPPDNARKGVESL 121
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 114 QIVCNERGCAEQMLGHLVHLKNDCFEELPCVR---PCKEYVLKKDLRDHYEKKCK 170
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 122 PAVC--PBDGGTGW--GTLKEYES-CHEGRCPMLTECPACKGIVLRGEKERHLEHCEP 175
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 171 YREATSHCKSQVPMIALQKHEDTCCPCVVVSCPHKCSVQTLRLSELAAHLSCEVNAFST 230
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 176 ERLSLCRHCRAPCCGADVAKAHVEV-CRFPPLTC-DGCKKKKIPRKFKFDQDHVKTCCGCRVP 233
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 231 CSFRKRYGCV--FQGTNOQIKAHLEASSAVOHVNLKEMNSLEKK-----VSLTON 278
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

```

Db	234	CRFHATIGLEVEYEGKOO--EHEVOMLREHLAML--LSSVLEAKPPLGLDOSHAGSELLÖR	269
Qy	279	-ESVEKNKSISQSLHNQISCFEIERÖKEMLRNNESEKILHLÖRVYDSQAEKLELDEKEIR	337
Db	290	CESTLEKKA--TFENIVCVLREVER-----VAMTAECSS-----	322
Qy	338	PFROHMEADSMKSSVESLÖRNRYVELESVDKSAGVARNNGLESÖLSRHDMÖLSVDIR	397
Db	333	--ROHRILDÖD--KIEALSSEKVOOLE-----RSIGL-----KDLA	352
Qy	398	LADMDLGFVLEFETASYNCVLLMTKIRDYKRRKOEAVMNGKTLISVÖPPTYGFGYKMCARV	457
Db	353	MADLEÖKARPRÖAOÖCGHHYCSFCCIASILIRKIQEAVNAGRIPATFSIPAFTYSTRYGKMKLRI	412
Qy	458	YLANGDMÖKGTHLSLFFVYIMRGEYDALLPWFÖKÖVTMLMDÖSSRRHIGDÄKPPÖNS	517
Db	413	YLANGGTÖRGTHLSLFFVYVMGPRDALLRMPEFNÖKVITMLMDÖ--NNNEHYIDAFRDPVTS	471
Qy	518	SSFKKPTGEMNIASGCPYFAQYVLE--NGYTIKDDTIFIKYIVYDSDL	564
Db	472	SSFPKRVPMNDNIASGCPLEFCFVSMEKEMKNSYRDADAFIFAIVDYLTL	519

```

RESULT 3
US-09-724-676A-53797
; Sequence 53797, Application US/09724676A
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724,676A
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: patentIn version 3.2
; SEQ ID NO 53797
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676A-53797

Query Match          22.9%; Score 688; DB 5; Length 519;
Best Local Similarity 33.1%; Pred. No. 1,7e+56;
Matches 175; Conservative 84; Mismatches 173; Indels 96; Gaps 21;

QY 63 KQTECGRRFCESCAALISSSPKCTAC-QEISYKDY-----EKDNCCKEITAL 113
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 62 PFOACGGRHYCSFICLASSISGPCNCAACVHNGIIEGISILESSAPFNAARGVSEL 121

QY 114 QIYCNEBRCGAEOJMLHLVNLKMDCHFEELPCVR---PQCKEVLKRLDLNDEKCK 170
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 122 PAVC--PSDGTWK--GTLKEYES-CHEGRCPLMLTECPACKGLVRLGEKRNLENECP 175

QY 171 YREATCSHCKSOVPMIALQKHEDTDCPCVVVSCPHKCSYQTLRSELSAHLSECVNAPST 230
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 176 ERSLSCHRCGRAPCCGADVKAHNEV-CRFRPLTC-DGCGKKKRPKRPQDHYVTCCKKVP 233

QY 231 CSFKRYGCV--FOGTNOQIKAHENSSAVQVHNLKEWMSLEKK-----VSLQON 278
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 234 CRFHAIGCLETFVEGEKKOQ--EHEVQWMLREHILAML--LSSVLEAKPRLDQSHAGSELLQR 289

QY 279 -ESVEKKNKSISLNHQISFELIETROKEMLRNNSKILHLQRIVDSQAEKLELDEKLR 337
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 290 CESLEKKA--TFENIVCLNREVER-----VAMTRACS----- 322

QY 338 PFRQWMEADSMKSSVESLQNRVTELESVDKSGQVARNRTGLLESQLSRHDQMLSVNDIR 397
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 323 --RQRHRLDQD-----KIEALSSKVOGLE-----KSIGL-----KDLA 352

QY 398 LADMDLGFQVLETSYNGVLIMKIRDRYRRQOEAVMGKTLISYQPFYTGFGYIMCARV 457
      |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 353 MADLEQKRPFOACGGRHYCSFICLASSISLRKIQLEQAVAGRPALEPAFTSRKYGYMCRLI 412

```

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 2, 2003, 15:11:35 : Search time 16 Seconds
(without alignments)
1042.675 Million cell updates/sec

Title: US-08-404-832-2

Perfect score: 3005

Sequence: 1 MESSKMDPGALQTNPLK.....IKDDTFIKYIVDTSDLPDP 567

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 1008

Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgnt2_6/prodata/1/1aa/5a_COMB.pep:*
2: /cgnt2_6/prodata/1/1aa/5b_COMB.pep:*
3: /cgnt2_6/prodata/1/1aa/5a_COMB.pep:*
4: /cgnt2_6/prodata/1/1aa/5b_COMB.pep:*
5: /cgnt2_6/prodata/1/1aa/PCRTUS_COMB.pep:*
6: /cgnt2_6/prodata/1/1aa/backfilest1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2804	93.3	543	4	US-08-697-610-2 Sequence 2, Appl1
2	2804	93.3	543	4	US-08-349-357-2 Sequence 2, Appl1
3	2223.5	74.0	438	4	US-09-268-544B-36 Sequence 36, Appl1
4	1686	56.1	347	4	US-09-268-544B-38 Sequence 38, Appl1
5	1244	41.4	558	4	US-09-138-277C-1 Sequence 1, Appl1
6	1182	39.3	557	4	US-09-138-277C-1 Sequence 3, Appl1
7	1111	37.0	228	4	US-09-181-958-2 Sequence 2, Appl1
8	828	27.6	501	1	US-08-331-394-4 Sequence 4, Appl1
9	828	27.6	501	1	US-08-250-858-4 Sequence 4, Appl1
10	828	27.6	501	1	US-08-446-915-4 Sequence 4, Appl1
11	828	27.6	501	2	US-08-744-139-4 Sequence 4, Appl1
12	828	27.6	501	2	US-08-744-139-4 Sequence 4, Appl1
13	629	20.9	409	5	PCRT-US95-06639-4 Sequence 4, Appl1
14	629	20.9	409	1	US-08-331-394-2 Sequence 2, Appl1
15	629	20.9	409	1	US-08-250-858-2 Sequence 2, Appl1
16	629	20.9	409	2	US-08-446-915-2 Sequence 2, Appl1
17	629	20.9	409	2	US-08-744-139-2 Sequence 2, Appl1
18	564.5	18.8	417	3	PCRT-US95-06639-2 Sequence 2, Appl1
19	554.5	18.5	522	1	US-08-705-771-18 Sequence 18, Appl1
20	554.5	18.5	522	1	US-08-639-237-2 Sequence 2, Appl1
21	554	18.4	470	2	US-08-975-405-2 Sequence 2, Appl1
22	542.5	18.1	243	4	US-08-691-814B-2 Sequence 2, Appl1
23	435	14.5	80	4	US-09-181-958-1 Sequence 1, Appl1
24	381	12.7	73	2	US-08-691-814B-29 Sequence 29, Appl1
25	328	10.9	59	2	US-08-691-814B-33 Sequence 33, Appl1
26	314	10.4	56	2	US-08-691-814B-25 Sequence 25, Appl1
27	306	10.2	80	2	US-08-691-814B-31 Sequence 31, Appl1

28	294	9.8	80	2	US-08-691-814B-30 Sequence 30, Appl1
29	260	8.7	46	2	US-08-691-814B-15 Sequence 15, Appl1
30	249	8.3	46	4	US-09-052-089A-10 Sequence 10, Appl1
31	210	7.0	67	2	US-08-691-814B-32 Sequence 32, Appl1
32	186	6.2	70	2	US-08-691-814B-35 Sequence 35, Appl1
33	181.5	6.0	70	2	US-08-691-814B-34 Sequence 34, Appl1
34	145	4.8	1104	2	US-08-327-832-5 Sequence 5, Appl1
35	145	4.8	1104	2	US-08-828-584-5 Sequence 5, Appl1
36	140	4.7	3248	1	US-08-353-700-1 Sequence 1, Appl1
37	140	4.7	3248	5	PCRT-US95-16216-1 Sequence 1, Appl1
38	139.5	4.6	2482	1	US-08-328-254-6 Sequence 6, Appl1
39	137	4.6	712	2	US-08-468-576B-17 Sequence 17, Appl1
40	137	4.6	712	2	US-08-468-576B-17 Sequence 17, Appl1
41	137	4.6	712	3	US-08-468-576B-17 Sequence 17, Appl1
42	131.5	4.4	1388	4	US-09-572-191-2 Sequence 2, Appl1
43	131.5	4.4	1388	4	US-09-723-262-2 Sequence 2, Appl1
44	131.5	4.4	1388	4	US-09-723-219-2 Sequence 2, Appl1
45	130	4.3	606	4	US-08-477-831C-2 Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-697-610-2
Sequence 2, Application US/08697610
Patent No. 6172187
GENERAL INFORMATION:
APPLICANT: Reed, John C.
APPLICANT: Sato, Takaki
TITLE OF INVENTION: CD40 Associated Proteins
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
City: San Diego
STATE: California
COUNTRY: USA
Zip: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/697,610
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/349,357
FILING DATE: 02-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1203
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-697-610-2
Query Match 93.3%; Score 2804; DB 4; Length 543;
Best Local Similarity 94.7%; Pred. No. 9.8e-234;
Matches 538; Conservative 0; Mismatches 4; Indels 26; Gaps 2;
Qy 1 MESSKMDPGALQTNPLKLTHTDRSAGTPTVPEOGGYEKKEFYKVEDKCKCKHLVL 60
Db 1 MESSKMDPGALQTNPLKLTHTDRSAGTPTVPEOGGYEKKEFYKVEDKCKCKHLVL 60

Qy	1	MESSKMDSPALOTNPRLKHTBRSAGTPVFEVGGGYKEKFKYTEDXKCKECHLYL	60
Db	1	MESSKMDSPALOTNPRLKHTBRSAGTPVFEVGGGYKEKFKYTEDXKCKECHLYL	60
Qy	61	CSPKOTEGGHFFCSMCMAALLSSSSPACTAOESIYVDKFKDNCCKREILALQIYCRNE	120
Db	61	CSPKOTEGGHFFCSMCMAALLSSSSPACTAOESIYVDKFKDNCCKREILALQIYCRNE	120
Qy	121	SRGCAEQMLIGH-LVHLKNDCHFEEELPCVRPDCKEKYLKRDLRDHYEKACKYREBATSHC	179
Db	121	SRGCAEQTLGLHLVYHLKNDCHFEEELPCVRPDCKEKYLKRDLRDHYEKACKYREBATSHC	180
Qy	180	KSQVPMIALQKHEDTDCPCVVVSCPRHKCSVOTLLRSELASHLSECVNABSTCSFKRIGCV	239
Db	181	KSQVPMIA-----	188
Qy	240	FOGTNOIKAHEASSAVOHVNLKEMNSLEKKVYSLLOÑSVEKNKSIOQLHÑICSEFI	299
Db	189	-----	188
Qy	300	EIEROKEMLRNNESKILHLQHAVIDSOAEKLELDEKEIRPFROMMEADSMKSSVESLOÑR	359
Db	189	-----LQVIDISOAEKLELDEKEIRPFROMMEADSMKSSVESLOÑR	230
Qy	360	VTELESVDKSGGOVARNLTGLESOLSRHDOMLSYHDRLADMDLGFVOLETASTINGVLIW	419
Db	231	VTELESVDKSGGOVARNLTGLESOLSRHDOMLSYHDRLADMDLGFVOLETASTINGVLIW	290
Qy	420	KIRDYKRRKOEAVNGKTLSTLSOPFYGYGEGYKKACARVYLNDOGMCGLTSLFEPYIMRG	479
Db	231	KIRDYKRRKOEAVNGKTLSTLSOPFYGYGEGYKKACARVYLNDOGMCGLTSLFEPYIMRG	350
Qy	480	EYDALLPMPFKQKVTLMIMDOGSSRRHLGDAFKEPDPPNSSSEFKKPTGEMNTIASGCPVFAQ	539
Db	351	EYDALLPMPFKQKVTLMIMDOGSSRRHLGDAFKEPDPPNSSSEFKKPTGEMNTIASGCPVFAQ	410
Qy	540	TVLENGTYIKDDTFIFIKYIVDTSDLPDP	567
Db	411	TVLENGTYIKDDTFIFIKYIVDTSDLPDP	438
RESULT 4			
US-09-268-544B-38			
; Sequence 38, Application US/09268544B			
; Patent No. 6410710			
; GENERAL INFORMATION:			
; APPLICANT: Lederman, Seth			
; TITLE OF INVENTION: Trar-3 Deletion Isoforms And Uses Thereof			
; FILE REFERENCE: 0575-58732			
; CURRENT APPLICATION NUMBER: US/09/268,544B			
; CURRENT FILING DATE: 1999-03-11			
; NUMBER OF SEQ ID NOS: 43			
; SOFTWARE: patentIn Ver. 2.1			
; SEQ ID NO 38			
; LENGTH: 347			
; TYPE: PRT			
; ORGANISM: Human			
US-09-268-544B-38			
Query Match			
Best Local Similarity 60.1%; Score 1686; DB 4; Length 347;			
Matches 345; Conservative 0; Mismatches 2; Indels 220; Gaps			
Qy	1	MESSKMDSPALOTNPRLKHTBRSAGTPVFEVGGGYKEKFKYTEDXKCKECHLYL	60
Db	1	MESSKMDSPALOTNPRLKHTBRSAGTPVFEVGGGYKEKFKYTEDXKCKECHLYL	60
Qy	61	CSPKOTEGGHFFCSMCMAALLSSSSPACTAOESIYVDKFKDNCCKREILALQIYCRNE	120
Db	61	CSPKOTEGGHFFCSMCMAALLSSSSPACTAOESIYVDK-----	99
Qy	121	SRGCAEQMLIGHVHLKNDCHFEEELPCVRPDCKEKYLKRDLRDHYEKACKYREATCSHCK	180

Db	100	-----	99
Qy	181	SQVPMIALQKHEDTDCPCVVVSCPCHKCSVO7LLRSELSAHLSECVNAPSTCSPKRYGCVF	240
Db	100	-----	99
Qy	241	QSTNOQIKAHESASSAVOHVNLKEMSNLSLEKKVSLLONESVEKRNKSIOSLANOICSPFIE	300
Db	100	-----	99
Qy	301	IEROKEMLRNNEKSHLHQRVIDSQAERKLELDEKEIRPFROMNEEADSMKSSVESLQNRV	360
Db	100	-----RVIDSQAERKLELDEKEIRPFROMNEEADSMKSSVESLQNRV	140
Qy	361	TELESVDKSAGQVARN7GLESQLSRHDQMLSVHDIRLADMDLGFQVLE7ASTNGVLIWK	420
Db	141	TELESVDKSAGQVARN7GLESQLSRHDQMLSVHDIRLADMDLREQVLE7ASTNGVLIWK	200
Qy	421	IRDKYRRKQOEVMGKTLSLVSQPFY7TGYFGYKMCARVYLLNGDQMGKTHLSLEFFVIMRGE	480
Db	201	IRDKYRRKQOEVMGKTLSLVSQPFY7TGYFGYKMCARVYLLNGDQMGKTHLSLEFFVIMRGE	260
Qy	481	YDALLPMFPFKQV7LMLMDQSSSRHH7GDAFKPDPNNS5FKK7P7GEMN7ASGCPV7VAOT	540
Db	261	YDALLPMFPFKQV7LMLMDQSSSRHH7GDAFKPDPNNS5FKK7P7GEMN7ASGCPV7VAOT	320
Qy	541	VLENGTYIKDDTIFIKVIV7DS7LDDP	567
Db	321	VLENGTYIKDDTIFIKVIV7DS7LDDP	347

```

      5      RESULT 5
      6      US-09-138-277C-1
      7      ; Sequence 1, Application US/09138277C
      8      ; Patent No. 6426403
      9      ; GENERAL INFORMATION:
     10      ; APPLICANT: NAKANO, MOTOMI
     11      ; APPLICANT: NAKANO, HIROYASU
     12      ; APPLICANT: YAGITA, HIDEO
     13      ; APPLICANT: OKUMURA, KO
     14      ; TITLE OF INVENTION: TPAF FAMILY MOLECULES, POLYNUCLEOTIDES ENCODING THEM,
     15      ; TITLE OF INVENTION: AND ANTIBODIES AGAINST THEM
     16      ; FILE REFERENCE: 007898-025515
     17      ; CURRENT APPLICATION NUMBER: US/09/138, 277C
     18      ; CURRENT FILING DATE: 1998-08-18
     19      ; PRIOR APPLICATION NUMBER: PCT/JF97/00512
     20      ; PRIOR FILING DATE: 1997-02-24
     21      ; PRIOR APPLICATION NUMBER: JP 34674/1996
     22      ; PRIOR FILING DATE: 1996-02-22
     23      ; NUMBER OF SEQ ID NOS: 16
     24      ; SOFTWARE: PatentIn Ver. 2.1
     25      ; SEQ ID NO 1
     26      ; LENGTH: 558
     27      ; TYPE: PRT
     28      ; ORGANISM: Mus sp.
     29      US-09-138-277C-1
     30
     31      Query Match          41.4%; Score 1244; DB 4; Length 558;
     32      Best Local Similarity 41.3%; Pred. No. 4,4e-99;
     33      Matches 241; Conservative 113; Mismatches 163; Indels 66; Gaps 11;
     34
     35      QY      22      HDRSAGRP-VVPPROG-----YKKEFVTVEDKRYKCECHLVLCSPKOTEGCH 70
     36      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
     37      Db      3      HSEEDAAVPCAFIRONSNSISLDEPDTETQFVQLEBERRYACACCHSVLNPHTGCGH 62
     38      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
     39      QY      71      RECSCMAALLS-SSSPKCFACQESIVKDYFKDKCCKREILALQIYCRNBSRGAEDLM 129
     40      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
     41      Db      63      RRCQCICIRSLRELNSVPLICPVYDKEVIKPQEVFKDKCKREVLNLIHYCKN-APGCNARI 121
     42      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
     43      QY      130      LG-----HLVHLKNDCHFELPCVRPDKCEKYLARKDLRDVHEACAKYRREATGSHCSQYPM 185
     44      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
     45      Db      122      IGRFDHDIQH---CSFQAVVPCPNBSCEPAMLRKDYKEHLISAYCFKEKCLCYCKRDIVV 177

```

QY	186	IALCKHEPTDRCVAVVSPHNCISVOTLLRSLTSHLSECVNABPSTCFKKGCVFSTNQ	24.5
Db	178	TNLDHENSRCPAYVSPCNRG-VOTIPRAVRNHNHLLVCEAEODCDFPKHYGGTVKRG	236
QY	246	QIRAKHAESSAQAHNLLKEMNSLEKRVSLJLONSVEKKNSTOSJHNQIOSFETETEROK	305
Db	237	NLLEHERAALODHMLLVLEKRYOQLBQJLISDLJOSLEBEKESKIQOLATTVKFEKELQFT	236
QY	306	EMLRNN-----BSKILHLQRVIDSQAELKLEIDKEIRPFRONWEI	345
Db	297	QMFGRNGTFELSNVOLTSHTDKSAMLBAQVHNHLQIVNQPSRL-----D	341
QY	346	ADSKSSVESJLQNVTELESVDKAGQVARTGLLEQSLRSHDOMLSVHDIRLADIDLGF	405
Db	342	LRLSLVDADVDSKORITOLEASD-----ORVLVEEBETSKNHAHINIHAQLOLNKKNEERF	394
QY	406	QVLETFASJNGVLIRKIDYRKRRKQEAVMGKTLISYOSPFYTGFGYKMARVLLNDGMS	465
Db	395	KQELGACACYSGLIKKVIYDIRKKRKEAVEGHTVSYFSQPFYTSKGRILCARAYLNGDGS	454
QY	466	KGTHLSLFVYIMRGEYDALLPWPPEKQVTLMLDQGSRRHLDAEPDPNSSSFFKPKPT	525
Db	455	KGTHLSLFVVMRGEPSDLSLQMPFRQVTLMLDQGSKKNHIVETFRADPNSSSFFRPOG	514
QY	526	EMNIASGCPVFAQTVLEN--GTYIKDQTLFIKVIYDTSLLPD	566
Db	515	EMNIASGCPREVSHSTLSEKNRYIKDQTLFLKVAADTLDEI	557

```

RESULT 6
US-09-138-277C-3
? Sequence 3, Application US/09138277C
? Patent No. 6426403
? GENERAL INFORMATION:
? APPLICANT: NAKATA, MOTOMI
? APPLICANT: NAKANO, HIROYASU
? APPLICANT: YAGITA, HIDEO
? APPLICANT: OKUMURA, KO
? TITLE OF INVENTION: TRAF FAMILY MOLECULES, POLYNUCLEOTIDES ENCODING THEM
? TITLE OF INVENTION: AND ANTIBODIES AGAINST THEM
? FILE REFERENCE: 007898-025515
? CURRENT APPLICATION NUMBER: US/09/138, 277C
? CURRENT FILING DATE: 1998-08-18
? PRIOR APPLICATION NUMBER: PCT/JP97/00512
? PRIOR FILING DATE: 1997-02-24
? PRIOR APPLICATION NUMBER: JP 34674/1996
? PRIOR FILING DATE: 1996-02-22
? NUMBER OF SEQ ID NOS: 16
? SOFTWARE: PatentIn Ver. 2.1
? SEQ ID NO 3
? LENGTH: 557
? TYPE: PRT
? ORGANISM: Homo sapiens
? US-09-138-277C-3

```

Query Match	39.3%	Score 1182	DB 4	Length 557
Best Local Similarity	41.6%	Pred. No. 9.9e-94		
Matches 223	Conservative 121	Mismatches 181	Indels 20	Gaps 8
QY	25	RSACTPVEVPEGGYKKEKFKVTVDKDYKCECHILYCSKPKOTEGSGRPFCESSMALLS-S	83	
Db	17	ONSNGSISLDPEPSTIEQYFERLEBRKYCARGCHSVLHNPHTGGSCRRCCQNLISLEIN	76	
QY	84	SSPRTCAQGEISIVADKFKDKCKRREILALOTIYCNEBSRGCAGIOLMLHLVHLKNDCHFE	143	
Db	77	TVPLCPVDKEIKYIKSQEVEFKDKCKRREIVLIVYCSN-APGCSNAKYLILRYODHLQOCLFQ	135	
QY	144	ELCPVRDEKKEVYLRKDLRDHVEKAKCREATGSCSQVIMALOKHEDTDCPEVUSC	203	
Db	136	PVCGSNCKCRPVLARKDLKHLNSCCPRKREKCLYCKKDDVYVILNQHNEINICPEYPVFC	195	
QY	204	PHKCSVOTLLRSELIAHLSECVNAPSTCSFRYGCVFQGTNOQIKAHNEASSAVQHNVLK	263	

Db	196	PNNCA-KILLTVEYDEHILAVCPREABODCPFNHYGCAVTDKRRNLQDQHSHSLREHMLTVL	254
Qy	264	EMSNSLEAKVSLLONESVEKKKSSTIOSLHNOICSEIEIEROKEMKLRNNEKSTILHLQRYID	322
Db	255	EKNVQLEQOISDLHNSLBOKESKKTIOUJLAETIKKLEKEKOPAFQJFGNGSFLPNIQ-VFA	313
Qy	324	SOAEKLFELDEIRPE-----RONMREADSMKSVSLSIOMRVELESVDKSMAGVARNPT	377
Db	314	SHIDKSAPLAEQAVIOLLOVMVNOQONKEDPLRLMLAVDTQVOKITLLENDD-----QRL	366
Qy	378	GLESQLSRHDOMLSVHDIRLADMDFQVULETASVYNGVLLIMKIRDYKRRKOEAVMGKTL	437
Db	367	AVLEETETKHDTHTINIHQAOLSKNEBERFKLLEGTGYNGKILIMKVTDYMKKKREAVDCHTV	426
Qy	438	SLYSOPFVTFYFGYKMACARVYLNDGSGKGHLSLFEVIMRGETDALLPMPFQOKVTML	487
Db	427	SIFSOFSTSCGGRFLCARALALNDGSGRSHLSLYVVMKGEEDSTLLOPFRQRYTLM	486
Qy	498	MDQSSSRHRLHDARKPPDNPSSSFKKPRGEMNIASGCEVFVAQTVLEN--GTUYIKDDTIFI	555
Db	487	LDO--SGKKINIMETFRPDNPSSSFRPRDGENNIASGCRFAVHSLVEAKAKAAYIKDDTFL	545
Qy	556	KVIYDTSPLD 566	
Db	546	KVAVDLTDLED 556	

```

RESULT 7
US-09-181-958-2
: Sequence 2, Application US/09181958
: Patent No. 6143507
:
GENERAL INFORMATION:
: APPLICANT: Kenhy, Marilyn R
: APPLICANT: Pullen, Steven S
:
: TITLE OF INVENTION: High Throughput Compatible Assays for Receptor-TRAF
:
: TITLE OF INVENTION: Interactions
:
: FILE REFERENCE: 9_142_Nucl_Seq
:
: CURRENT APPLICATION NUMBER: US/09/181,958
:
: CURRENT FILING DATE: 1998-10-29
:
: NUMBER OF SEQ. ID NOS.: 2
:
: SOFTWARE: Patentln Ver. 2.0
:
: SEQ. ID NO. 2
:
: LENGTH: 228
:
: TYPE: PRT
:
: ORGANISM: human
:
: US-09-181-958-2

```

	Query Match	37.0%	Score 1111	DB 4	Length 228
	Best Local Similarity	99.5%	Pred. No. 3.6e-86		
	Matches 214	Conservative 0	Mismatches 1	Indels 0	Gaps 0
QY	353	VESLQNRVTELESYDKSGOVARNTGLLESQLSRRHQMLSVYHDIRLADMDLGEQVLETA	412		
Db	1	VESLQNRVTELESYDKSGOVARNTGLLESQLSRRHQMLSVYHDIRLADMDLGEQVLETA	60		
QY	413	YNGVLINKIRIDPKRRKROKQAVMGKTLSTLSQPFYTCYFEGYKKMCARYLLMGDGGKGTHTSL	472		
Db	61	YNGVLINKIRIDPKRRKROKQAVMGKTLSTLSQPFYTCYFEGYKKMCARYLLMGDGGKGTHTSL	120		
QY	473	FEVIMRGEYDALLPMPFEKQKVTLMIMDQSSRRHIGDAFFDPNNSFFKPTGEMNIIASG	532		
Db	121	FEVIMRGEYDALLPMPFEKQKVTLMIMDQSSRRHIGDAFFDPNNSFFKPTGEMNIIASG	180		
QY	533	CPVFVAQTVLENGTYIKDDTIFIKYIVDTSQLPDP	567		
Db	181	CPVFVAQTVLENGTYIKDDTIFIKYIVDTSQLPDP	215		

RESULT 8
US-08-331-394-4
; Sequence 4, Application US/08331394

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 2, 2003, 15:13:00 : Search time 12 Seconds
(without alignments)
895,459 Million cell updates/sec

Title: US-08-404-832-2

Sequence: 1 MESSKRMSPGALQTNPPK.....INDDTFIVYDTPDP 567

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 117078 seqs, 18951520 residues

Total number of hits satisfying chosen parameters: 117078

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 08

Maximum Match 1008
Listing first 45 summaries

Database: Published Applications_AA:*

1: /cgn2_6/ptodata/2/pubppaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/2/pubppaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubppaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubppaa/US07_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubppaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubppaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/2/pubppaa/PCTUS_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubppaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubppaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubppaa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubppaa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2980.5	99.2	568	US-08-813-323A-2	Sequence 2, Appli
2	2852	94.9	566	US-08-813-323A-1	Sequence 1, Appli
3	2804	93.3	543	US-09-757-041-2	Sequence 2, Appli
4	2196.5	73.1	438	US-09-950-902-2	Sequence 4, Appli
5	1695	56.4	347	US-09-950-902-4	Sequence 4, Appli
6	207	6.9	43	US-09-798-789-4	Sequence 4, Appli
7	207	6.9	43	US-09-981-289-4	Sequence 4, Appli
8	186.5	6.2	72	US-09-864-761-33993	Sequence 33993, A
9	174	5.8	61	US-09-796-692-857	Sequence 857, App
10	156.5	5.2	658	US-09-764-864-818	Sequence 818, App
11	152.5	5.1	563	US-09-764-864-1277	Sequence 1277, Ap
12	149.5	5.0	185	US-09-949-842-19	Sequence 19, Appli
13	147.5	4.9	232	US-09-998-667-1	Sequence 1, Appli
14	141.5	4.7	503	US-09-764-864-835	Sequence 835, App
15	136	4.5	1641	US-10-017-216-5	Sequence 5, Appli
16	134	4.5	239	US-09-998-667-7	Sequence 7, Appli
17	133.5	4.4	2053	US-10-017-216-2	Sequence 2, Appli
18	133	4.4	340	US-09-250-883-17	Sequence 17, Appli
19	133	4.4	1958	US-10-028-946-4	Sequence 4, Appli

20	133	4.4	2054	US-10-028-946-2	Sequence 2, Appli
21	132.5	4.4	245	US-09-998-667-9	Sequence 9, Appli
22	132	4.4	829	US-09-946-805-8	Sequence 8, Appli
23	131	4.4	50	US-09-796-692-856	Sequence 856, App
24	129.5	4.3	285	US-09-764-864-841	Sequence 841, App
25	127	4.2	2055	US-10-017-216-4	Sequence 4, Appli
26	125	4.2	414	US-09-764-864-821	Sequence 821, App
27	125	4.2	1863	US-09-734-672-2	Sequence 2, Appli
28	125	4.2	1863	US-09-734-672-4	Sequence 4, Appli
29	125	4.2	1863	US-09-734-672-6	Sequence 6, Appli
30	125	4.2	2139	US-09-727-384-6	Sequence 168, App
31	122	4.1	677	US-09-745-763-168	Sequence 168, App
32	121.5	4.0	228	US-09-998-667-8	Sequence 8, Appli
33	121.5	4.0	231	US-09-925-301-1306	Sequence 1306, Ap
34	121.5	4.0	231	US-09-764-864-837	Sequence 837, App
35	121.5	4.0	231	US-09-764-864-829	Sequence 1292, Ap
36	121.5	4.0	545	US-09-908-988B-4	Sequence 4, Appli
37	120.5	4.0	343	US-09-908-988B-6	Sequence 6, Appli
38	120	4.0	412	US-09-925-300-1669	Sequence 1669, Ap
39	120	4.0	1175	US-09-771-161A-224	Sequence 224, App
40	120	4.0	1175	US-09-771-161A-225	Sequence 225, App
41	120	4.0	1175	US-09-771-161A-226	Sequence 226, App
42	119.5	4.0	285	US-09-764-864-1296	Sequence 1296, Ap
43	119.5	4.0	600	US-09-975-901-2	Sequence 2, Appli
44	119	4.0	945	US-09-745-763-191	Sequence 191, App
45	119	4.0	1597	US-10-017-216-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-08-813-323A-2
Sequence 2, Application US/08813323A
Patent No. US20020031522A1
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Cleary, Aileen
APPLICANT: Lederman, Seth
APPLICANT: Ye, Zheng-sheng
TITLE OF INVENTION: TRUNCATED CRAPI INHIBITS CD40 SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham, LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50659
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

M.h
Davis

FEATURE:
NAME/KEY: Peptide
LOCATION: 1..568
US-08-813-323A-2

Query Match 99.2%; Score 2980.5; DB 8; Length 568;
Best Local Similarity 99.5%; Pred. No. 2e-209; Indels 1; Gaps 1;
Matches 565; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MESSKMKDPSGALQTNPLKLTDRSAGTPEVPEOGGYKEKFKVTEDEKCEKCHLV 60
DB 1 MESSKMKDPSGALQTNPLKLTDRSAGTPEVPEOGGYKEKFKVTEDEKCEKCHLV 60
QY 61 CSPKQTECGHRECECMAALLSSSPKCTACQESIYKDKVFKDNCKRETLAQYCRNE 120
DB 61 CSPKQTECGHRECECMAALLSSSPKCTACQESIYKDKVFKDNCKRETLAQYCRNE 120
QY 121 SRGCAQLMLGH-LVHLKNDCHFEELPCVAPDCKEYLRKDLRDHYEKACKYREATCSHC 179
DB 121 SRGCAQLMLGH-LVHLKNDCHFEELPCVAPDCKEYLRKDLRDHYEKACKYREATCSHC 180
QY 180 KSOVPMIALQKHEDTDCPCVVVSCPHKCSYQTLRSELNAHLSSECYNAPSTCSFKRYGCV 239
DB 181 KSOVPMIALQKHEDTDCPCVVVSCPHKCSYQTLRSELNAHLSSECYNAPSTCSFKRYGCV 240
QY 240 FQGTNOOIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNSIOSLHNOICFET 299
DB 241 FQGTNOOIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNSIOSLHNOICFET 300
QY 300 EIEROKEMLRNNEKSLHLQRYVIDSOAEKLELDKEIRPPROWMEADSMKSSVESLQNR 359
DB 301 EIEROKEMLRNNEKSLHLQRYVIDSOAEKLELDKEIRPPROWMEADSMKSSVESLQNR 360
QY 360 VTELESVDKSAGVANTGILESQLSRHDQMSVHDIRLADMDLGFQVLETASYNGVLW 419
DB 361 VTELESVDKSAGVANTGILESQLSRHDQMSVHDIRLADMDLGFQVLETASYNGVLW 420
QY 420 KIRDYRRROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMKGKTHLSFEYIMRG 479
DB 421 KIRDYRRROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMKGKTHLSFEYIMRG 480
QY 480 EYDALLPMPFKQKVTLMLDQSSRRHLDAFRPDNNSSEFKKPTGEMNIASGCPYFAVQ 539
DB 481 EYDALLPMPFKQKVTLMLDQSSRRHLDAFRPDNNSSEFKKPTGEMNIASGCPYFAVQ 540
QY 540 TVLENGTYIKDITIFIKVIVDTSDLPD 567
DB 541 TVLENGTYIKDITIFIKVIVDTSDLPD 568

RESULT 2

US-08-813-323A-1
Sequence 1, Application US/08813323A
Patent No. US20020031522A1
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Cleary, Aileen
APPLICANT: Lederman, Seth
APPLICANT: Ye, Zheng-sheng
TITLE OF INVENTION: TRUNCATED CRAPI INHIBITS CD40 SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Cooper & Dunham, LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50659
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 566 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..566
US-08-813-323A-1

Query Match 94.9%; Score 2852; DB 8; Length 566;
Best Local Similarity 95.6%; Pred. No. 4.5e-200;
Matches 542; Conservative 7; Mismatches 16; Indels 2; Gaps 2;

QY 1 MESSKMKDPSGALQTNPLKLTDRSAGTPEVPEOGGYKEKFKVTEDEKCEKCHLV 60
DB 1 MESSKMKDPSGALQTNPLKLTDRSAGTPEVPEOGGYKEKFKVTEDEKCEKCHLV 59
QY 61 CSPKQTECGHRECECMAALLSSSPKCTACQESIYKDKVFKDNCKRETLAQYCRNE 120
DB 60 CSPKQTECGHRECECMAALLSSSPKCTACQESIYKDKVFKDNCKRETLAQYCRNE 119
QY 121 SRGCAQLMLGH-LVHLKNDCHFEELPCVAPDCKEYLRKDLRDHYEKACKYREATCSHC 179
DB 120 SRGCAQLMLGH-LVHLKNDCHFEELPCVAPDCKEYLRKDLRDHYEKACKYREATCSHC 179
QY 180 KSOVPMIALQKHEDTDCPCVVVSCPHKCSYQTLRSELNAHLSSECYNAPSTCSFKRYGCV 239
DB 180 KSOVPMIALQKHEDTDCPCVVVSCPHKCSYQTLRSELNAHLSSECYNAPSTCSFKRYGCV 239
QY 240 FQGTNOOIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNSIOSLHNOICFET 299
DB 240 FQGTNOOIKAHESASAVOHVNLKEMNSLEKKVSLQNESVEKNSIOSLHNOICFET 299
QY 300 EIEROKEMLRNNEKSLHLQRYVIDSOAEKLELDKEIRPPROWMEADSMKSSVESLQNR 359
DB 300 EIEROKEMLRNNEKSLHLQRYVIDSOAEKLELDKEIRPPROWMEADSMKSSVESLQNR 359
QY 360 VTELESVDKSAGVANTGILESQLSRHDQMSVHDIRLADMDLGFQVLETASYNGVLW 419
DB 360 VTELESVDKSAGVANTGILESQLSRHDQMSVHDIRLADMDLGFQVLETASYNGVLW 419
QY 420 KIRDYRRROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMKGKTHLSFEYIMRG 479
DB 420 KIRDYRRROEAVMGKTLISYQPFYTGFGYKMCARVYLNGDMKGKTHLSFEYIMRG 479
QY 480 EYDALLPMPFKQKVTLMLDQSSRRHLDAFRPDNNSSEFKKPTGEMNIASGCPYFAVQ 539
DB 480 EYDALLPMPFKQKVTLMLDQSSRRHLDAFRPDNNSSEFKKPTGEMNIASGCPYFAVQ 539
QY 540 TVLENGTYIKDITIFIKVIVDTSDLPD 566
DB 540 TVLENGTYIKDITIFIKVIVDTSDLPD 566

RESULT 3

US-09-757-041-2
Sequence 2, Application US/09757041
Patent No. US20020009726A1

Simon
Amgen

GENERAL INFORMATION:
 APPLICANT: Reed, John C.
 APPLICANT: Sato, Takaaki
 TITLE OF INVENTION: CD40 Associated Proteins
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4370 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/757,041
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/349,357
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Cathryn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 1203
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 543 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-757-041-2

Query Match 93.3%; Score 2804; DB 10; Length 543;
 Best Local Similarity 94.7%; Pred. No. 1.3e-196;
 Matches 538; Conservative 0; Mismatches 4; Indels 26; Gaps 2;

QY 1 MESSKKNDSPGALOTNPPLKHTDRSAGTPVFPVPEOGGYEKEKYKTYEDKCKEKLVL 60
 DB 1 MESSKKNDSPGALOTNPPLKHTDRSAGTPVFPVPEOGGYEKEKYKTYEDKCKEKLVL 60
 Y 61 CSPKQTECGHRCFSCMAALLSSSPKCTACQESIVDKYFKDKCKREILALQIYRNE 120
 DB 61 CSPKQTECGHRCFSCMAALLSSSPKCTACQESIVDKYFKDKCKREILALQIYRNE 120
 QY 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 DB 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 QY 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 DB 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 QY 180 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 DB 180 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 QY 181 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 DB 181 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 QY 240 FQGTNOQIKHAESSAVOHNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICSEFI 299
 DB 240 FQGTNOQIKHAESSAVOHNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICSEFI 299
 QY 218 --GTNOQIKHAESSAVOHNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICSEFI 275
 DB 218 --GTNOQIKHAESSAVOHNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICSEFI 275
 QY 300 EIEROKEMLNNEKSLILHQRVIDSOAEKLELDKEIRPRRONEEADSKSSVESIQNR 359
 DB 300 EIEROKEMLNNEKSLILHQRVIDSOAEKLELDKEIRPRRONEEADSKSSVESIQNR 359
 QY 276 EIEROKEMLNNEKSLILHQRVIDSOAEKLELDKEIRPRRONEEADSKSSVESIQNR 335
 DB 276 EIEROKEMLNNEKSLILHQRVIDSOAEKLELDKEIRPRRONEEADSKSSVESIQNR 335
 QY 360 VTELESYDKSAGVARTGLESOLSRHDQMLSVHDIRLADMDLGFQVLEASTYNGVLIW 419
 DB 360 VTELESYDKSAGVARTGLESOLSRHDQMLSVHDIRLADMDLGFQVLEASTYNGVLIW 419
 QY 336 VTELESYDKSAGVARTGLESOLSRHDQMLSVHDIRLADMDLGFQVLEASTYNGVLIW 395
 DB 336 VTELESYDKSAGVARTGLESOLSRHDQMLSVHDIRLADMDLGFQVLEASTYNGVLIW 395
 QY 420 KIRDYKRRKQEAVMGKTLISQPFYTGFGYKCAVYVINGDMGKSTHLSLFEVIMRG 479
 DB 420 KIRDYKRRKQEAVMGKTLISQPFYTGFGYKCAVYVINGDMGKSTHLSLFEVIMRG 479

DB 396 KIRDYKRRKQEAVMGKTLISQPFYTGFGYKCAVYVINGDMGKSTHLSLFEVIMRG 455
 QY 480 EYDALLPWPFKQVKTMLMDQSSRRHLGDAFKDPNSSFKKPTGEMINASCPCVFAVQ 539
 DB 456 EYDALLPWPFKQVKTMLMDQSSRRHLGDAFKDPNSSFKKPTGEMINASCPCVFAVQ 515
 QY 540 TVLENGTYIKDDTFIFIVYDTSIDPDP 567
 DB 516 TVLENGTYIKDDTFIFIVYDTSIDPDP 543

RESULT 4
 US-09-950-902-2
 Sequence 2, Application US/09950902
 Patent No. US20020127615A1
 GENERAL INFORMATION:
 APPLICANT: The Trustees of Columbia University in the City of
 TITLE OF INVENTION: TRAF-3 DELETION ISOFORMS AND USES THEREOF
 FILE REFERENCE: 58732-A-PCT
 CURRENT APPLICATION NUMBER: US/09/950,902
 CURRENT FILING DATE: 2001-09-10
 PRIOR APPLICATION NUMBER: PCT/US00/06503
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 09/268,544
 PRIOR FILING DATE: 1999-03-11
 NUMBER OF SEQ ID NOS: 14
 SOFTWARE: Patent In Ver. 2.1
 LENGTH: 438
 SEQ ID NO 2
 TYPE: PRT
 ORGANISM: Isolated TRAF-3 deletion isoform protein
 US-09-950-902-2

Query Match 73.1%; Score 2196.5; DB 10; Length 438;
 Best Local Similarity 76.3%; Pred. No. 1.6e-152;
 Matches 434; Conservative 0; Mismatches 2; Indels 133; Gaps 4;

QY 1 MESSKKNDSPGALOTNPPLKHTDRSAGTPVFPVPEOGGYEKEKYKTYEDKCKEKLVL 60
 DB 1 MESSKKNDSPGALOTNPPLKHTDRSAGTPVFPVPEOGGYEKEKYKTYEDKCKEKLVL 60
 Y 61 CSPKQTECGHRCFSCMAALLSSSPKCTACQESIVDKYFKDKCKREILALQIYRNE 120
 DB 61 CSPKQTECGHRCFSCMAALLSSSPKCTACQESIVDKYFKDKCKREILALQIYRNE 120
 QY 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 DB 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 QY 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 DB 121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLKRDLDHVEKACKYREATCSHC 179
 QY 180 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 DB 180 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 QY 181 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 DB 181 KSOVPMIALOKHEDTDCPCVYVSCPHKCSVOTLLRSELASHLSECVNAPSTCSFKRYGCV 239
 QY 240 FQGTNOQIKHAESSAVOHNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICSEFI 299
 DB 240 FQGTNOQIKHAESSAVOHNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICSEFI 299
 QY 189 ----- 188
 QY 300 EIEROKEMLNNEKSLILHQRVIDSOAEKLELDKEIRPRRONEEADSKSSVESIQNR 359
 DB 189 ----- 188
 QY 360 VTELESYDKSAGVARTGLESOLSRHDQMLSVHDIRLADMDLGFQVLEASTYNGVLIW 419
 DB 231 VTELESYDKSAGVARTGLESOLSRHDQMLSVHDIRLADMDLGFQVLEASTYNGVLIW 290
 QY 420 KIRDYKRRKQEAVMGKTLISQPFYTGFGYKCAVYVINGDMGKSTHLSLFEVIMRG 478
 DB 291 KIRDYKRRKQEAVMGKTLISQPFYTGFGYKCAVYVINGDMGKSTHLSLFEVIMRG 349
 QY 479 GEYDALLPWPFKQVKTMLMDQSSRRHLGDAFKDPNSSFKKPTGEMINASCPCVFAV 538
 DB 350 GEYDALLPWPFKQVKTMLMDQSSRRHLGDAFKDPNSSFKKPTGEMINASCPCVFAV 409

OY 539 QTVLENGTYIKDDTIFIKVIVDTSDLPDP 567
|
Db 410 QTVLENGTYIKDDTIFIKVIVDTSDLPDP 438

RESULT 5
US-09-950-902-4
; Sequence 4, Application US/09950902
; Patent No. US20020127615A1
; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University in the City of
; TITLE OF INVENTION: TRAF-3 DELETION ISOFORMS AND USES THEREOF
; FILE REFERENCE: 58732-A-PCF
; CURRENT APPLICATION NUMBER: US/09/950,902
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: PCT/US00/06503
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/268,544
; PRIOR FILING DATE: 1999-03-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 347
; TYPE: PRT
; ORGANISM: isolated TRAF-3 deletion isoform protein
US-09-950-902-4

Query Match 56.4%; Score 1695; DB 10; Length 347;
Best Local Similarity 61.0%; Pred. No. 3.6e-116;
Matches 346; Conservative 0; Mismatches 1; Indels 220; Gaps 1;

OY 1 MESSKMDSPGALQTPPLKHTDRSAGTFVPEOGGYKEKVKYVEDKCKECLYL 60
|
Db 1 MESSKMDSPGALQTPPLKHTDRSAGTFVPEOGGYKEKVKYVEDKCKECLYL 60
OY 61 CSPKQTECGHRCFESCAALSSSPKCTACQESIYADKVFKNCCRETLAQYCRNE 120
|
Db 61 CSPKQTECGHRCFESCAALSSSPKCTACQESIYADKVFKNCCRETLAQYCRNE 120
OY 121 SRCAQDLMLGHLVHLKNDCHFELPCVPRDCKEYLRKDLRQHEKACKYREATCSHCK 180
|
Db 100 ----- 99
OY 181 SQVPMIALQKHEDTDCPCVYVSCPHKCSQVTLRLSELSAHLSVCVNAPTSCSKRYGCVF 240
|
Db 100 ----- 99
OY 241 OGTHOQIKAHASSAVQHVNLKEMSNLSLEKKVSLQNESVEKKNSIOSLHNOICSEIE 300
|
Db 100 ----- 99
OY 301 IEROKEMLNNESEKILHLQVIDSQAELKELDKETIRPRONWEADSMKSSVESIQNRY 360
|
Db 100 ----- RVIDSQAELKELDKETIRPRONWEADSMKSSVESIQNRY 140
OY 361 TELESYKSGAGVARTGLLESOLSRHDMLSVHDIRLADMDFQVLETASYNGVLIYK 420
|
Db 141 TELESYKSGAGVARTGLLESOLSRHDMLSVHDIRLADMDFQVLETASYNGVLIYK 200
OY 421 IDYKRRKQEAVMGKTLISYQPFYTGFGYKRCARVYLNGDMGKGTLSLFFVIMRGE 480
|
Db 201 IDYKRRKQEAVMGKTLISYQPFYTGFGYKRCARVYLNGDMGKGTLSLFFVIMRGE 260
OY 481 YDALLPWPFRKQVYTLMLMOGSSRRHLGDAFKDPNSSFKKPTGEMINIASGCPVFAQT 540
|
Db 261 YDALLPWPFRKQVYTLMLMOGSSRRHLGDAFKDPNSSFKKPTGEMINIASGCPVFAQT 320
OY 541 VLENGTYIKDDTIFIKVIVDTSDLPDP 567
|
Db 321 VLENGTYIKDDTIFIKVIVDTSDLPDP 347

RESULT 6

US-09-798-789-4
; Sequence 4, Application US/09798789
; Patent No. US20020009780A1
; GENERAL INFORMATION:
; APPLICANT: Dahljat, Basill
; APPLICANT: Filikov, Anton
; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA RELATED
; TITLE OF INVENTION: VARIANTS FOR THE TREATMENT OF TNF-ALPHA RELATED
; FILE REFERENCE: A-68990-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/798,789
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: US 60/186,427
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-798-789-4

Query Match 6.9%; Score 207; DB 10; Length 43;
Best Local Similarity 97.7%; Pred. No. 4.6e-09;
Matches 42; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 373 VARNTGLLESQLSRHDMQLSVHDIRLADMDFQVLETASYNG 415
|
Db 1 VARNTGLLESQLSRHDMQLSVHDIRLADMDFQVLETASYNG 43

RESULT 7
US-09-981-289-4
; Sequence 4, Application US/09981289
; Patent No. US20020110868A1
; GENERAL INFORMATION:
; APPLICANT: Dahljat, Basill I.
; APPLICANT: Filikov, Anton
; TITLE OF INVENTION: DESIGN AND DISCOVERY OF PROTEIN BASED TNF-ALPHA FOR THE TREATM
; FILE REFERENCE: A-68990-3/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/981,289
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: US 60/186,427
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 09/945,150
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 09/798,789
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-981-289-4

Query Match 6.9%; Score 207; DB 10; Length 43;
Best Local Similarity 97.7%; Pred. No. 4.6e-09;
Matches 42; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 373 VARNTGLLESQLSRHDMQLSVHDIRLADMDFQVLETASYNG 415
|
Db 1 VARNTGLLESQLSRHDMQLSVHDIRLADMDFQVLETASYNG 43

RESULT 8
US-09-864-761-33993
; Sequence 33993, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 2, 2003, 15:12:00 ; Search time 147 Seconds

(without alignments)
2486.828 Million cell updates/sec

Title: US-08-404-832-2

Perfect score: 3005

Sequence: 1 MESSKKNDSFGALQTNPKL.....IKDDTFIVYDSDLPDP 567

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 08
Maximum Match 1008

Listing first 45 summaries

Database :

Pending Patents, AA Main:*

1: /cgn2_6/ptodata/1/paa/PCTUS.COMB.pep.*
2: /cgn2_6/ptodata/1/paa/US06.COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US07.COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US08.COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US081.COMB.pep.*
6: /cgn2_6/ptodata/1/paa/US082.COMB.pep.*
7: /cgn2_6/ptodata/1/paa/US083.COMB.pep.*
8: /cgn2_6/ptodata/1/paa/US084.COMB.pep.*
9: /cgn2_6/ptodata/1/paa/US085.COMB.pep.*
10: /cgn2_6/ptodata/1/paa/US086.COMB.pep.*
11: /cgn2_6/ptodata/1/paa/US087.COMB.pep.*
12: /cgn2_6/ptodata/1/paa/US088.COMB.pep.*
13: /cgn2_6/ptodata/1/paa/US089.COMB.pep.*
14: /cgn2_6/ptodata/1/paa/US090.COMB.pep.*
15: /cgn2_6/ptodata/1/paa/US091.COMB.pep.*
16: /cgn2_6/ptodata/1/paa/US092.COMB.pep.*
17: /cgn2_6/ptodata/1/paa/US093.COMB.pep.*
18: /cgn2_6/ptodata/1/paa/US094.COMB.pep.*
19: /cgn2_6/ptodata/1/paa/US095.COMB.pep.*
20: /cgn2_6/ptodata/1/paa/US096.COMB.pep.*
21: /cgn2_6/ptodata/1/paa/US097.COMB.pep.*
22: /cgn2_6/ptodata/1/paa/US098.COMB.pep.*
23: /cgn2_6/ptodata/1/paa/US099.COMB.pep.*
24: /cgn2_6/ptodata/1/paa/US100.COMB.pep.*
25: /cgn2_6/ptodata/1/paa/US101.COMB.pep.*
26: /cgn2_6/ptodata/1/paa/US102.COMB.pep.*
27: /cgn2_6/ptodata/1/paa/US60.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3005	100.0	567	1	PCT-US95-06623-2
2	3005	100.0	567	8	US-08-404-832-2
3	3005	100.0	567	16	US-09-224-556-2
4	3005	100.0	567	20	US-09-645-926A-7
5	3005	100.0	567	21	US-09-791-537-145945
6	3005	100.0	567	26	US-10-207-655-103

7	3005	100.0	567	26	US-10-242-212-7	Sequence 7, Appl1
8	2986.5	99.4	568	1	PCT-US02-17382-131	Sequence 131, App
9	2986.5	99.4	568	7	US-08-367-540A-7	Sequence 7, Appl1
10	2986.5	99.4	568	7	US-08-367-540B-7	Sequence 7, Appl1
11	2986.5	99.4	568	7	US-08-367-540C-7	Sequence 7, Appl1
12	2986.5	99.4	568	21	US-09-791-537-84441	Sequence 84441, A
13	2986.5	99.4	568	24	US-10-042-865-166	Sequence 166, App
14	2980.5	99.2	568	12	US-08-813-323A-2	Sequence 2, Appl1
15	2980.5	99.2	568	12	US-08-813-323B-2	Sequence 2, Appl1
16	2980.5	99.2	568	21	US-09-791-537-42127	Sequence 42127, A
17	2980.5	99.2	568	25	US-10-116-275-173	Sequence 173, App
18	2859	95.1	567	12	US-08-813-323B-1	Sequence 1, Appl1
19	2859	95.1	567	21	US-09-791-537-60703	Sequence 60703, A
20	2852	94.9	566	12	US-08-813-323A-1	Sequence 1, Appl1
21	2851	94.9	567	21	US-09-791-537-40449	Sequence 40449, A
22	2812	93.6	543	1	PCT-US02-17382-129	Sequence 129, App
23	2812	93.6	543	21	US-09-791-537-5588	Sequence 5588, App
24	2804	93.3	543	21	US-09-757-041-2	Sequence 2, Appl1
25	2804	93.3	543	21	US-09-757-041A-2	Sequence 2, Appl1
26	2716	90.4	861	27	US-60-212-664-479	Sequence 479, App
27	2706	90.0	641	27	US-60-230-435-1071	Sequence 1071, App
28	2196.5	73.1	438	1	PCT-US00-06503-2	Sequence 2, Appl1
29	2196.5	73.1	438	23	US-09-950-902-2	Sequence 2, Appl1
30	1828	60.8	398	27	US-60-245-221-86	Sequence 86, Appl1
31	1695	56.4	347	1	PCT-US00-06503-4	Sequence 4, Appl1
32	1695	56.4	347	23	US-09-950-902-4	Sequence 4, Appl1
33	1244	41.4	558	15	US-09-170-208-1	Sequence 1, Appl1
34	1244	41.4	558	21	US-09-791-537-125567	Sequence 40451, A
35	1244	41.4	558	21	US-09-791-537-93436	Sequence 93436, A
36	1244	41.4	558	24	US-10-042-865-164	Sequence 164, App
37	1244	41.4	558	24	US-10-042-865-165	Sequence 165, App
38	1182	39.3	557	15	US-09-170-208-4	Sequence 1, Appl1
39	1182	39.3	557	21	US-09-791-537-125567	Sequence 125567, App
40	1182	39.3	557	24	US-10-042-865-162	Sequence 162, App
41	1179	39.2	538	21	US-09-791-537-77702	Sequence 77702, A
42	1179	39.2	538	24	US-10-042-865-163	Sequence 163, App
43	1174.5	37.3	568	24	US-10-042-865-50	Sequence 50, Appl1
44	1120.5	37.3	526	24	US-10-042-865-50	Sequence 824, App
45	1117.5	37.2	212	21	US-09-760-466-824	

ALIGNMENTS

RESULT 1
PCT-US95-06623-2
; Sequence 2, Application PC/TUS9506623
; GENERAL INFORMATION:
; APPLICANT: THE REGENETS OF THE UNIVERSITY OF MICHIGAN
; TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF
; TITLE OF INVENTION: USING SAME
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/06623
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: KONSKI, ANTOINETTE F.
; REGISTRATION NUMBER: 34,202
; REFERENCE/DOCKET NUMBER: 203442102540
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 813-5600
 TELEFAX: (415) 494-0792
 TELE: 706141
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 567 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 PCT-US95-06623-2

Query Match 100.0%; Score 3005; DB 1; Length 567;
 Best Local Similarity 100.0%; Pred. No. 2.4e-218;
 Matches 567; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESSKMDSPGALQTNPPKLTDRSAGPVVPEGGYKKEKFKVTKVEKYEKCEKCHLV 60
 DB 1 MESSKMDSPGALQTNPPKLTDRSAGPVVPEGGYKKEKFKVTKVEKYEKCEKCHLV 60
 QY 61 CSPKQTEGHRCESECMALLSSSPKCTACQESIYKDKVFKDNCKREILALQIYCRNE 120
 DB 61 CSPKQTEGHRCESECMALLSSSPKCTACQESIYKDKVFKDNCKREILALQIYCRNE 120
 QY 121 SRGCAEQMLGLVHLKNDCHFEELPCVRPDCKEKYLKRDLDHVEKACKYREATCSHCK 180
 DB 121 SRGCAEQMLGLVHLKNDCHFEELPCVRPDCKEKYLKRDLDHVEKACKYREATCSHCK 180
 QY 181 SOVPMAIALOKHEDTDCPCVVVSCPHKCSVOTLLRSELNHLSECVNAPSTCSFKRYGCVF 240
 DB 181 SOVPMAIALOKHEDTDCPCVVVSCPHKCSVOTLLRSELNHLSECVNAPSTCSFKRYGCVF 240
 QY 241 OGTONOIKAHESAANQVHNILKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFEIE 300
 DB 241 OGTONOIKAHESAANQVHNILKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFEIE 300
 QY 301 IEROKEMLRNNSKILHLQVVIDSOAEKLELDKEIRPRPROMWEADSKSSVESTIQNRY 360
 DB 301 IEROKEMLRNNSKILHLQVVIDSOAEKLELDKEIRPRPROMWEADSKSSVESTIQNRY 360
 QY 361 TELESVDKAGOVARNRTGLLESOLSRHDOMLSVHDIRLADMOLGROYLETASTAYNGVLWK 420
 DB 361 TELESVDKAGOVARNRTGLLESOLSRHDOMLSVHDIRLADMOLGROYLETASTAYNGVLWK 420
 QY 421 IRDYKRRKQEAAMVKGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFFVIMRGE 480
 DB 421 IRDYKRRKQEAAMVKGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFFVIMRGE 480
 QY 481 YDALLPWPFPKQKVTMLMDQSSRRHLGDAFKPDPNSSFFKKPTGEMNIASGCPVFAVQT 540
 DB 481 YDALLPWPFPKQKVTMLMDQSSRRHLGDAFKPDPNSSFFKKPTGEMNIASGCPVFAVQT 540
 QY 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
 DB 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567

RESULT 2
 US-08-404-832-2
 ; Sequence 2, Application US/08404832

GENERAL INFORMATION:
 APPLICANT: DIXIT, VISHA M.
 TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF
 TITLE OF INVENTION: USING SAME
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FORBSTER
 STREET: 755 Page Mill Road
 CITY: Palo Alto
 STATE: California
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/404,832
 FILING DATE:
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: KONSKI, ANTOINETTE F.
 REGISTRATION NUMBER: 34,202
 REFERENCE/DOCKET NUMBER: 203442102500
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 813-5600
 TELEFAX: (415) 494-0792
 TELE: 706141
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 567 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-404-832-2

Query Match 100.0%; Score 3005; DB 8; Length 567;
 Best Local Similarity 100.0%; Pred. No. 2.4e-218;
 Matches 567; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESSKMDSPGALQTNPPKLTDRSAGPVVPEGGYKKEKFKVTKVEKYEKCEKCHLV 60
 DB 1 MESSKMDSPGALQTNPPKLTDRSAGPVVPEGGYKKEKFKVTKVEKYEKCEKCHLV 60
 QY 61 CSPKQTEGHRCESECMALLSSSPKCTACQESIYKDKVFKDNCKREILALQIYCRNE 120
 DB 61 CSPKQTEGHRCESECMALLSSSPKCTACQESIYKDKVFKDNCKREILALQIYCRNE 120
 QY 121 SRGCAEQMLGLVHLKNDCHFEELPCVRPDCKEKYLKRDLDHVEKACKYREATCSHCK 180
 DB 121 SRGCAEQMLGLVHLKNDCHFEELPCVRPDCKEKYLKRDLDHVEKACKYREATCSHCK 180
 QY 181 SOVPMAIALOKHEDTDCPCVVVSCPHKCSVOTLLRSELNHLSECVNAPSTCSFKRYGCVF 240
 DB 181 SOVPMAIALOKHEDTDCPCVVVSCPHKCSVOTLLRSELNHLSECVNAPSTCSFKRYGCVF 240
 QY 241 OGTONOIKAHESAANQVHNILKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFEIE 300
 DB 241 OGTONOIKAHESAANQVHNILKEMNSLEKKVSLQNESVEKNKSIOSLHNOICSEFEIE 300
 QY 301 IEROKEMLRNNSKILHLQVVIDSOAEKLELDKEIRPRPROMWEADSKSSVESTIQNRY 360
 DB 301 IEROKEMLRNNSKILHLQVVIDSOAEKLELDKEIRPRPROMWEADSKSSVESTIQNRY 360
 QY 361 TELESVDKAGOVARNRTGLLESOLSRHDOMLSVHDIRLADMOLGROYLETASTAYNGVLWK 420
 DB 361 TELESVDKAGOVARNRTGLLESOLSRHDOMLSVHDIRLADMOLGROYLETASTAYNGVLWK 420
 QY 421 IRDYKRRKQEAAMVKGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFFVIMRGE 480
 DB 421 IRDYKRRKQEAAMVKGKTLISYQPFYTGFGYKMCARVYLNGDMGKGTLSLFFVIMRGE 480
 QY 481 YDALLPWPFPKQKVTMLMDQSSRRHLGDAFKPDPNSSFFKKPTGEMNIASGCPVFAVQT 540
 DB 481 YDALLPWPFPKQKVTMLMDQSSRRHLGDAFKPDPNSSFFKKPTGEMNIASGCPVFAVQT 540
 QY 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
 DB 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567

RESULT 3
 US-09-224-556-2
 ; Sequence 2, Application US/09224556
 ; GENERAL INFORMATION:
 ; APPLICANT: Dixit, Vishva M.

```

: TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF
:
: TITLE OF INVENTION: USING SAME
:
: FILE REFERENCE: 128019201702
:
: CURRENT APPLICATION NUMBER: US/09/224,556
:
: CURRENT FILING DATE: 1998-12-30
:
: PRIOR APPLICATION NUMBER: 08/826,577
:
: PRIOR FILING DATE: 1997-04-02
:
: PRIOR APPLICATION NUMBER: 08/404,832
:
: PRIOR FILING DATE: 1995-03-13
:
: NUMBER OF SEQ ID NOS: 16
:
: SOFTWARE: FastSeq for Windows Version 3.0
:
: SEQ ID NO 2
:
: LENGTH: 567
:
: TYPE: PRT
:
: ORGANISM: Homo sapiens
:
US-09-224-556-2

```

Query Match 100.0%; Score 3005; DB 21; Length 567;
 Best Local Similarity 100.0%; Pred. No. 2,4e-218;
 Matches 567; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
    1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
Db 1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
Qy 61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
    61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
Db 61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
Qy 121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
    121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
Db 121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
Qy 181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
    181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
Db 181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
Qy 241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
    241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
Db 241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
Qy 301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
    301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Db 301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Qy 361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
    361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Db 361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Qy 421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
    421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
Db 421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
Qy 481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
    481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
Db 481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
Qy 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
    541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
Db 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567

```

RESULT 6
 US-10-207-655-103

; Sequence 103, Application US/10207655

; GENERAL INFORMATION:

; APPLICANT: Ledbetter, Jeffrey A.

; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS

; FILE REFERENCE: 390069, 401C1

; CURRENT APPLICATION NUMBER: US/10/207,655

; PRIORITY FILING DATE: 2002-07-25

; NUMBER OF SEQ ID NOS: 426

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 103

; LENGTH: 567

; TYPE: prt

; ORGANISM: Homo sapiens

US-10-207-655-103

Query Match 100.0%; Score 3005; DB 26; Length 567;
 Best Local Similarity 100.0%; Pred. No. 2,4e-218;
 Matches 567; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
    1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
Db 1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
Qy 61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
    61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
Db 61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
Qy 121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
    121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
Db 121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
Qy 181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
    181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
Db 181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
Qy 241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
    241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
Db 241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
Qy 301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
    301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Db 301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Qy 361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
    361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Db 361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Qy 421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
    421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
Db 421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
Qy 481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
    481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
Db 481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
Qy 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
    541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
Db 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567

```

RESULT 7

US-10-242-212-7

; Sequence 7, Application US/10242212

; GENERAL INFORMATION:

; APPLICANT: AHUIA, SEMA

; TITLE OF INVENTION: BONEALD, LYNDIA

; FILE REFERENCE: 4003, 001000

; CURRENT APPLICATION NUMBER: US/10/242,212

; PRIORITY FILING DATE: 2002-09-12

; PRIOR APPLICATION NUMBER: US/09/645,926

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 7

; LENGTH: 567

; TYPE: prt

; ORGANISM: Homo sapiens

US-10-242-212-7

Query Match 100.0%; Score 3005; DB 26; Length 567;
 Best Local Similarity 100.0%; Pred. No. 2,4e-218;
 Matches 567; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
    1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
Db 1 MESSKKMDSFGALQTNPLKLTDRSAGTPVPEVPEOGGYKKEFKVKTVEDEKYYCEKCHLV 60
Qy 61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
    61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
Db 61 CSPKQTEGCHRCESCMALLSSSPKCTACQESIYKDKVDFDNCCKREILALQIYCRNE 120
Qy 121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
    121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
Db 121 SRGCAEQMLIGHLVHLKNDCHFEELPCVPDPCKEYLRKDLRDHYKACKYREATCSHCK 180
Qy 181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
    181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
Db 181 SGVPMTALQKHEDTDCPCVYVSCPHKCSVQTLIRSELNHLSECVNAPSTCSFKRYGCVF 240
Qy 241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
    241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
Db 241 OGTHOIKRHEASAVQHNLLKEMNSLEKKVSLQNSVEKNKSIQSLHNOICFEIE 300
Qy 301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
    301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Db 301 IERQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Qy 361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
    361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Db 361 IRQKEMLRNNEKSLILHLORVIDSQAEKLELDEKELRPRQNMWEADSKSSVESLQNRV 360
Qy 421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
    421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
Db 421 IRDYKRRKQEAVMGKTLISYQPFYTGYYGKMKCARVYLNGDMGKGTLSLFEVIMRGE 480
Qy 481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
    481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
Db 481 YDALLPMPFKQKVTLLMLMDQSSRRHLGDAFKPDPNSSFFKPTGEMNIASGCPVVAQT 540
Qy 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
    541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567
Db 541 VLENGTYIKDDTIFIKVIYDTSDDLDP 567

```

QY 181 SOVPMIALOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSAHLSECVNAPSTCFKRYGCV 240
 DB 181 SOVPMIALOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSAHLSECVNAPSTCFKRYGCV 240
 QY 241 OGNOQIKAHASAVOHVNLKEMSNLSLEKYSLLONSEYENKKSIOSLHNOICSEFE 300
 DB 241 OGNOQIKAHASAVOHVNLKEMSNLSLEKYSLLONSEYENKKSIOSLHNOICSEFE 300
 QY 301 IEEROKEMLRNNEKILHLOVIDSOAEKLEIKELDEIRPPRONWEADSMKSSVESIOLNR 360
 DB 301 IEEROKEMLRNNEKILHLOVIDSOAEKLEIKELDEIRPPRONWEADSMKSSVESIOLNR 360
 QY 361 TELESVDKASGOVARNVTGLLESOLSRHDOMLSYHDIRLADMDLGFVYLETASVNGVLIW 420
 DB 361 TELESVDKASGOVARNVTGLLESOLSRHDOMLSYHDIRLADMDLGFVYLETASVNGVLIW 420
 QY 421 IRBYKRRKQEAHVNGKTLSTLSQPFYGYGKMCARVYLNGDMGKSTHLSLFFVIMRG 480
 DB 421 IRBYKRRKQEAHVNGKTLSTLSQPFYGYGKMCARVYLNGDMGKSTHLSLFFVIMRG 480
 QY 481 YDALLPWPFRKQVYTLMLMDQSSRRHLGDAFPDPNSSFFKRPTEGEMNIASGCPVFAVQ 540
 DB 481 YDALLPWPFRKQVYTLMLMDQSSRRHLGDAFPDPNSSFFKRPTEGEMNIASGCPVFAVQ 540
 QY 541 VLENGTYIKDDTIFIKYIVDTSDLPDP 567
 DB 541 VLENGTYIKDDTIFIKYIVDTSDLPDP 567

RESULT 8
 PCT-US02-17382-131
 ; Sequence 131, Application PC/TUS0217382
 ; GENERAL INFORMATION:
 ; APPLICANT: EXELTIS, INC.
 ; TITLE OF INVENTION: MODIFIERS OF THE P53 PATHWAY AND METHODS OF USE
 ; FILE REFERENCE: EX02-062
 ; CURRENT APPLICATION NUMBER: PCT/US02/17382
 ; CURRENT FILING DATE: 2002-06-05
 ; PRIOR APPLICATION NUMBER: US 60/296,076
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US 60/328,605
 ; PRIOR FILING DATE: 2001-10-10
 ; PRIOR APPLICATION NUMBER: US 60/357,253
 ; PRIOR FILING DATE: 2002-02-15
 ; NUMBER OF SEQ ID NOS: 234
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO 131
 ; LENGTH: 568
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; PCT-US02-17382-131

Query Match 99.4%; Score 2986.5; DB 1; Length 568;
 Best Local Similarity 99.6%; Pred. No. 6.2e-217;
 Matches 566; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 MESSKMDSPGALQTNPLKLTDRSAGTVPFVPEOGGKREKVKYVEDKCKECHLV 60
 DB 1 MESSKMDSPGALQTNPLKLTDRSAGTVPFVPEOGGKREKVKYVEDKCKECHLV 60
 QY 61 CSPKTECGHRCESCMALLSSSPKCTACOSIYKDKYFKONCKRETLALQIYCRNE 120
 DB 61 CSPKTECGHRCESCMALLSSSPKCTACOSIYKDKYFKONCKRETLALQIYCRNE 120
 QY 121 SRGCAEQMLGHLVHLKNDCHFEELPCVAPDCKEYLRKDLRDHYEAKCYREATCSHC 179
 DB 121 SRGCAEQMLGHLVHLKNDCHFEELPCVAPDCKEYLRKDLRDHYEAKCYREATCSHC 180
 QY 180 KSGVPMIALOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSAHLSECVNAPSTCFKRYGCV 239
 DB 181 KSGVPMIALOKHEDTDCPCVYVSCPHKCSVOYTLRLSELSAHLSECVNAPSTCFKRYGCV 240
 QY 240 FQGTNOQIKAHASAVOHVNLKEMSNLSLEKYSLLONSEYENKKSIOSLHNOICSEFE 299

DB 241 FQGTNOQIKAHASAVOHVNLKEMSNLSLEKYSLLONSEYENKKSIOSLHNOICSEFE 300
 QY 300 EIEROKEMLRNNEKILHLOVIDSOAEKLEIKELDEIRPPRONWEADSMKSSVESIOLNR 359
 DB 301 EIEROKEMLRNNEKILHLOVIDSOAEKLEIKELDEIRPPRONWEADSMKSSVESIOLNR 360
 QY 360 VTELESVDKASGOVARNVTGLLESOLSRHDOMLSYHDIRLADMDLGFVYLETASVNGVLIW 419
 DB 361 VTELESVDKASGOVARNVTGLLESOLSRHDOMLSYHDIRLADMDLGFVYLETASVNGVLIW 420
 QY 420 KIRBYKRRKQEAHVNGKTLSTLSQPFYGYGKMCARVYLNGDMGKSTHLSLFFVIMRG 479
 DB 421 KIRBYKRRKQEAHVNGKTLSTLSQPFYGYGKMCARVYLNGDMGKSTHLSLFFVIMRG 480
 QY 480 EYDALLPWPFRKQVYTLMLMDQSSRRHLGDAFPDPNSSFFKRPTEGEMNIASGCPVFAVQ 539
 DB 481 EYDALLPWPFRKQVYTLMLMDQSSRRHLGDAFPDPNSSFFKRPTEGEMNIASGCPVFAVQ 540
 QY 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
 DB 541 TVLENGTYIKDDTIFIKYIVDTSDLPDP 568

RESULT 9
 US-08-367-540A-7
 ; Sequence 7, Application US/08367540A
 ; GENERAL INFORMATION:
 ; APPLICANT: Kieff, Elliott
 ; APPLICANT: Mosialos, George
 ; APPLICANT: Birkenbach, Mark
 ; APPLICANT: Vanarsdale, Todd
 ; APPLICANT: Ware, Carol
 ; APPLICANT: Kaye, Kenneth M.
 ; TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSER: Fish & Richardson P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: FastSEO for Windows Version 2.0b
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/367,540A
 ; FILING DATE: 30-DEC-1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Freeman, John W.
 ; REGISTRATION NUMBER: 29,066
 ; REFERENCE/DOCKET NUMBER: 05311/014001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-5070
 ; TELEFAX: 617/542-8906
 ; TELEX: 200154
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 568 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; FRAGMENT TYPE: internal
 ; US-08-367-540A-7

Query Match 99.4%; Score 2986.5; DB 7; Length 568;
 Best Local Similarity 99.6%; Pred. No. 6.2e-217;
 Matches 566; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 MESSKMDSPGALQTNPLKLTDRSAGTVPFVPEOGGKREKVKYVEDKCKECHLV 60

Susan Wang
noted appeal

```

|||||
Db 1 MESSKMDSPGALQTNPLKLTHTDSAGT PVFVPOGGYKKEFYTVEDKTKCEKCHLV 60
Qy 61 CSPKOTECGHRFCESCMALLSSSPKCTACQESI VKDKVFNCKCKREILALQIYCNE 120
Db 61 CSPKOTECGHRFCESCMALLSSSPKCTACQESI VKDKVFNCKCKREILALQIYCNE 120
Qy 121 SRGCAEQMLGLH-LVHLKNDCHFELPCVRPDKCKEVLKRLDRHVERACKYREATCSHC 179
Db 121 SRGCAEQMLGLH-LVHLKNDCHFELPCVRPDKCKEVLKRLDRHVERACKYREATCSHC 180
Qy 180 KSQVPMIALQKHEDTDCVCVYVSCPHKCSVO TLRLSEL SAHLSECVNAPSTCSFKRYGCV 239
Db 181 KSQVPMIALQKHEDTDCVCVYVSCPHKCSVO TLRLSEL SAHLSECVNAPSTCSFKRYGCV 240
Qy 240 FOGTNOQIKAHBASAVOHVNLKEMSNLSLEKVSLLQNESYEKKNSIQSLHNOICSEFI 299
Db 241 FOGTNOQIKAHBASAVOHVNLKEMSNLSLEKVSLLQNESYEKKNSIQSLHNOICSEFI 300
Qy 300 EIEROKEMLRNNESKILHLQRYIDSQAELKELDK EIRPFQNMWEADSMKSSVESLQNR 359
Db 301 EIEROKEMLRNNESKILHLQRYIDSQAELKELDK EIRPFQNMWEADSMKSSVESLQNR 360
Qy 360 VTELESVKSAGQVARNRNGLESQLSRHDQMLSVHDIRLADMDLGFQVLETA SYNGVLIW 419
Db 361 VTELESVKSAGQVARNRNGLESQLSRHDQMLSVHDIRLADMDLGFQVLETA SYNGVLIW 420
Qy 420 KIRDYKRRKQEA VMGKTLSTLSQPFYTGFGYKMCARVY LNDGKGKTHLSLFEVIMRG 479
Db 421 KIRDYKRRKQEA VMGKTLSTLSQPFYTGFGYKMCARVY LNDGKGKTHLSLFEVIMRG 480
Qy 480 EYDALLPMPFKOKVTLM LMDGSSRRHLGDAFKPD PNSSSEFKPTGEMNIASGCPVFAQ 539
Db 481 EYDALLPMPFKOKVTLM LMDGSSRRHLGDAFKPD PNSSSEFKPTGEMNIASGCPVFAQ 540
Qy 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
Db 541 TVLENGTYIKDDTIFIKYIVDTSDLPDP 568

RESULT 10
US-08-367-540B-7
: Sequence 7, Application US/08367540B
: GENERAL INFORMATION:
: APPLICANT: Kieft, Elliott
: APPLICANT: Mosialos, George
: APPLICANT: Birnbadch, Mark
: APPLICANT: Vanarsdale, Todd
: APPLICANT: Ware, Carol
: APPLICANT: Kaye, Kenneth M.
: TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fish & Richardson P.C.
: STREET: 225 Franklin Street
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02110-2804
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: OPERATING SYSTEM: Windows 95
: SOFTWARE: FastSeq for Windows Version 2.0b
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/367,540B
: FILING DATE: 30-DEC-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Freeman, John W.
: REGISTRATION NUMBER: 29,066
: REFERENCE/DOCKET NUMBER: 05311/014001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617/542-5070

```

```

: TELEFAX: 617/542-8906
: TELEX: 200154
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 568 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FRAGMENT TYPE: internal
US-08-367-540B-7

Query Match      99.4%; Score 2986.5; DB 7; Length 568;
Best Local Similarity 99.6%; Pred. No. 6.2e-217;
Matches 566; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 MESSKMDSPGALQTNPLKLTHTDSAGT PVFVPOGGYKKEFYTVEDKTKCEKCHLV 60
Db 1 MESSKMDSPGALQTNPLKLTHTDSAGT PVFVPOGGYKKEFYTVEDKTKCEKCHLV 60
Qy 61 CSPKOTECGHRFCESCMALLSSSPKCTACQESI VKDKVFNCKCKREILALQIYCNE 120
Db 61 CSPKOTECGHRFCESCMALLSSSPKCTACQESI VKDKVFNCKCKREILALQIYCNE 120
Qy 121 SRGCAEQMLGLH-LVHLKNDCHFELPCVRPDKCKEVLKRLDRHVERACKYREATCSHC 179
Db 121 SRGCAEQMLGLH-LVHLKNDCHFELPCVRPDKCKEVLKRLDRHVERACKYREATCSHC 180
Qy 180 KSQVPMIALQKHEDTDCVCVYVSCPHKCSVO TLRLSEL SAHLSECVNAPSTCSFKRYGCV 239
Db 181 KSQVPMIALQKHEDTDCVCVYVSCPHKCSVO TLRLSEL SAHLSECVNAPSTCSFKRYGCV 240
Qy 240 FOGTNOQIKAHBASAVOHVNLKEMSNLSLEKVSLLQNESYEKKNSIQSLHNOICSEFI 299
Db 241 FOGTNOQIKAHBASAVOHVNLKEMSNLSLEKVSLLQNESYEKKNSIQSLHNOICSEFI 300
Qy 300 EIEROKEMLRNNESKILHLQRYIDSQAELKELDK EIRPFQNMWEADSMKSSVESLQNR 359
Db 301 EIEROKEMLRNNESKILHLQRYIDSQAELKELDK EIRPFQNMWEADSMKSSVESLQNR 360
Qy 360 VTELESVKSAGQVARNRNGLESQLSRHDQMLSVHDIRLADMDLGFQVLETA SYNGVLIW 419
Db 361 VTELESVKSAGQVARNRNGLESQLSRHDQMLSVHDIRLADMDLGFQVLETA SYNGVLIW 420
Qy 420 KIRDYKRRKQEA VMGKTLSTLSQPFYTGFGYKMCARVY LNDGKGKTHLSLFEVIMRG 479
Db 421 KIRDYKRRKQEA VMGKTLSTLSQPFYTGFGYKMCARVY LNDGKGKTHLSLFEVIMRG 480
Qy 480 EYDALLPMPFKOKVTLM LMDGSSRRHLGDAFKPD PNSSSEFKPTGEMNIASGCPVFAQ 539
Db 481 EYDALLPMPFKOKVTLM LMDGSSRRHLGDAFKPD PNSSSEFKPTGEMNIASGCPVFAQ 540
Qy 540 TVLENGTYIKDDTIFIKYIVDTSDLPDP 567
Db 541 TVLENGTYIKDDTIFIKYIVDTSDLPDP 568

RESULT 11
US-08-367-540C-7
: Sequence 7, Application US/08367540C
: GENERAL INFORMATION:
: APPLICANT: Kieft, Elliott
: APPLICANT: Mosialos, George
: APPLICANT: Birnbadch, Mark
: APPLICANT: Vanarsdale, Todd
: APPLICANT: Ware, Carol
: APPLICANT: Kaye, Kenneth M.
: TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fish & Richardson P.C.
: STREET: 225 Franklin Street
: CITY: Boston
: STATE: MA

```



```

; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,540C
; FILING DATE: 30-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Freeman, John W.
; REGISTRATION NUMBER: 29,066
; REFERENCE/DOCKET NUMBER: 05311/014001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 568 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-367-540C-7

```

```

Query Match          99.4%; Score 2986.5; DB 7; Length 568;
Best Local Similarity 99.6%; Pred. No. 6.2e-217;
Matches 566; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

```

```

QY 1 MESSKMDSPGALQTNPLKLTDRSAGTPVFPVEOGGYEKFKYTEDKCKECHLVL 60
DB 1 MESSKMDSPGALQTNPLKLTDRSAGTPVFPVEOGGYEKFKYTEDKCKECHLVL 60
QY 61 CSPKQTEGHRFCESCAALLSSSPKCTAQESIVDKYFKDCKCKREILALQIYCRNE 120
DB 61 CSPKQTEGHRFCESCAALLSSSPKCTAQESIVDKYFKDCKCKREILALQIYCRNE 120
QY 121 SRGCAEQLMIGH-LVHLKNDCHFELPCVRPDCKEKYLKRDLRDHYEACKYREATCSHC 179
DB 121 SRGCAEQLMIGH-LVHLKNDCHFELPCVRPDCKEKYLKRDLRDHYEACKYREATCSHC 180
QY 180 KSOVPMIALQKHEDTDCPCVYVSCPHKCSVOTLLRSELSAHLSCVNA PSTCSFKRYGCV 239
DB 181 KSOVPMIALQKHEDTDCPCVYVSCPHKCSVOTLLRSELSAHLSCVNA PSTCSFKRYGCV 240
QY 240 FOGTNOQIKAHSAASAVQHVNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICFSEI 299
DB 241 FOGTNOQIKAHSAASAVQHVNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICFSEI 300
QY 300 EIEROKEMLRNNEKIIHLQRVIDSQAELKELDKETIRPRQNMEEADSMKSSVESLQNR 359
DB 301 EIEROKEMLRNNEKIIHLQRVIDSQAELKELDKETIRPRQNMEEADSMKSSVESLQNR 360
QY 360 VTELESYDKSAGVARN TGILLESOLSRHDOMLSYHDIRLADMDGFOVLETAASNGVLIW 419
DB 361 VTELESYDKSAGVARN TGILLESOLSRHDOMLSYHDIRLADMDGFOVLETAASNGVLIW 420
QY 420 KIRDYKRRKQEA VNGKTLSTYSQPFYGYFGYKKACARVYLNGDMGKGTLSLFFVIMRG 479
DB 421 KIRDYKRRKQEA VNGKTLSTYSQPFYGYFGYKKACARVYLNGDMGKGTLSLFFVIMRG 480
QY 480 EYDALLPWPKQKVTLM LMDOGSSRRHLGDAFKDPNNSSEFKKPTGEMINIASGCPVFAQ 539
DB 481 EYDALLPWPKQKVTLM LMDOGSSRRHLGDAFKDPNNSSEFKKPTGEMINIASGCPVFAQ 540
QY 540 TVLENGTYIKDDTIFIKYIVDTSLPDP 567
DB 541 TVLENGTYIKDDTIFIKYIVDTSLPDP 568

```

RESULT 12

```

US-09-791-537-84441
; Sequence 84441. Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY M-
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 84441
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-791-537-84441

```

```

Query Match          99.4%; Score 2986.5; DB 21; Length 568;
Best Local Similarity 99.6%; Pred. No. 6.2e-217;
Matches 566; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

```

```

QY 1 MESSKMDSPGALQTNPLKLTDRSAGTPVFPVEOGGYEKFKYTEDKCKECHLVL 60
DB 1 MESSKMDSPGALQTNPLKLTDRSAGTPVFPVEOGGYEKFKYTEDKCKECHLVL 60
QY 61 CSPKQTEGHRFCESCAALLSSSPKCTAQESIVDKYFKDCKCKREILALQIYCRNE 120
DB 61 CSPKQTEGHRFCESCAALLSSSPKCTAQESIVDKYFKDCKCKREILALQIYCRNE 120
QY 121 SRGCAEQLMIGH-LVHLKNDCHFELPCVRPDCKEKYLKRDLRDHYEACKYREATCSHC 179
DB 121 SRGCAEQLMIGH-LVHLKNDCHFELPCVRPDCKEKYLKRDLRDHYEACKYREATCSHC 180
QY 180 KSOVPMIALQKHEDTDCPCVYVSCPHKCSVOTLLRSELSAHLSCVNA PSTCSFKRYGCV 239
DB 181 KSOVPMIALQKHEDTDCPCVYVSCPHKCSVOTLLRSELSAHLSCVNA PSTCSFKRYGCV 240
QY 240 FOGTNOQIKAHSAASAVQHVNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICFSEI 299
DB 241 FOGTNOQIKAHSAASAVQHVNLKEMNSLEKKVSLQNESVEKNKSIQSLHNOICFSEI 300
QY 300 EIEROKEMLRNNEKIIHLQRVIDSQAELKELDKETIRPRQNMEEADSMKSSVESLQNR 359
DB 301 EIEROKEMLRNNEKIIHLQRVIDSQAELKELDKETIRPRQNMEEADSMKSSVESLQNR 360
QY 360 VTELESYDKSAGVARN TGILLESOLSRHDOMLSYHDIRLADMDGFOVLETAASNGVLIW 419
DB 361 VTELESYDKSAGVARN TGILLESOLSRHDOMLSYHDIRLADMDGFOVLETAASNGVLIW 420
QY 420 KIRDYKRRKQEA VNGKTLSTYSQPFYGYFGYKKACARVYLNGDMGKGTLSLFFVIMRG 479
DB 421 KIRDYKRRKQEA VNGKTLSTYSQPFYGYFGYKKACARVYLNGDMGKGTLSLFFVIMRG 480
QY 480 EYDALLPWPKQKVTLM LMDOGSSRRHLGDAFKDPNNSSEFKKPTGEMINIASGCPVFAQ 539
DB 481 EYDALLPWPKQKVTLM LMDOGSSRRHLGDAFKDPNNSSEFKKPTGEMINIASGCPVFAQ 540
QY 540 TVLENGTYIKDDTIFIKYIVDTSLPDP 567
DB 541 TVLENGTYIKDDTIFIKYIVDTSLPDP 568

```

```

RESULT 13
US-10-042-865-166
; Sequence 166. Application US/10042865
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Casman, Stacie J
; APPLICANT: Shenoy, Suresh G

```

APPLICANT: Spytek, Kimberly
APPLICANT: Zhong, Mei
APPLICANT: Gangolli, Esha A
APPLICANT: Burgess, Catherine E
APPLICANT: Paturajan, Meera
APPLICANT: Vernet, Corine A.M
APPLICANT: Taylor, Sarah
APPLICANT: Tchernev, Velizar T
APPLICANT: Miller, Charles E
APPLICANT: Guo, Xiaojia
APPLICANT: Boldog, Ference L
APPLICANT: Grosse, William M
APPLICANT: Alsobrook II, John P
APPLICANT: Gerlach, Valerie L
APPLICANT: Edinger, Shlomit R
APPLICANT: Rothenberg, Mark E
APPLICANT: Ellerman, Karen
APPLICANT: MacDougall, John
APPLICANT: Malynker, Uriel M
APPLICANT: Millet, Isabelle
APPLICANT: Peyman, John
APPLICANT: Smithson, Glenda
APPLICANT: Gunther, Erik
APPLICANT: Stone, David
TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
FILE REFERENCE: 21402-537
CURRENT APPLICATION NUMBER: US/10/042,865
CURRENT FILING DATE: 2002-05-17
PRIOR APPLICATION NUMBER: 60/260,417
PRIOR FILING DATE: 2001-01-09
PRIOR APPLICATION NUMBER: 60/260,831
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: 60/272,338
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: 60/274,876
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/284,704
NUMBER OF SEQ ID NOS: 264
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 166
LENGTH: 568
TYPE: PRT
ORGANISM: Homo sapiens
US-10-042-865-166

Query Match 99.4%; Score 2986.5; DB 24; Length 568;
Best Local Similarity 99.6%; Pred. No. 6,2e-217;
Matches 566; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 MESSKMDSPGALQTPPLKLTHTDRSAGTPVPEEGGKREKRVKVEDEKCKECHLV 60
DB 1 MESSKMDSPGALQTPPLKLTHTDRSAGTPVPEEGGKREKRVKVEDEKCKECHLV 60
QY 61 CSFKOTECGHRFECSCMAALLSSSPKCTACOBESIVKDVYFKDNCCKRELLAQICRNE 120
DB 61 CSFKOTECGHRFECSCMAALLSSSPKCTACOBESIVKDVYFKDNCCKRELLAQICRNE 120
QY 121 SRGCAQMLIGH-LVHLKNDCHFEELPCVPRDCKEYVLRKLDLHDHVEKACKYREATCSHC 179
DB 121 SRGCAQMLIGH-LVHLKNDCHFEELPCVPRDCKEYVLRKLDLHDHVEKACKYREATCSHC 180
QY 180 KSOVPMTALOKHEDTDCPCVVVSCPHKCSVQTLRSELNAHISECVNABSTCSFKRYGCV 239
DB 181 KSOVPMTALOKHEDTDCPCVVVSCPHKCSVQTLRSELNAHISECVNABSTCSFKRYGCV 240
QY 240 FQGTNOQIAHFASSAVGVNVLKEMSNLEKVSILQNESYEKNSIOSIHNQICSFEI 299
DB 241 FQGTNOQIAHFASSAVGVNVLKEMSNLEKVSILQNESYEKNSIOSIHNQICSFEI 300
QY 300 EIEROKEMLRNNEKTLILQRTVDSQAEKLEIKETIRPPRONWEADSKSSVESLQNR 359

DB 301 EIEROKEMLRNNEKTLILQRTVDSQAEKLEIKETIRPPRONWEADSKSSVESLQNR 360
QY 360 VTELESVDKSAGVARTGLLESOLSRHDMLSVHDIRLADMDLGFQVLETASVNCVLIM 419
DB 361 VTELESVDKSAGVARTGLLESOLSRHDMLSVHDIRLADMDLGFQVLETASVNCVLIM 420
QY 420 KIRDYRRKQEAVMGKTLISYOPFTYGFYGMCAVYLINGDKMKGTHLSLFFVIMRG 479
DB 421 KIRDYRRKQEAVMGKTLISYOPFTYGFYGMCAVYLINGDKMKGTHLSLFFVIMRG 480
QY 480 EYDALLPWPPEKQVTLMDIDGSSRRHLGDAFKPDNNSSEFKKPTGEMNIASGCPVFAVQ 539
DB 481 EYDALLPWPPEKQVTLMDIDGSSRRHLGDAFKPDNNSSEFKKPTGEMNIASGCPVFAVQ 540
QY 540 TVLENGTYIKDDYIFIKVIVDTSDDLDP 567
DB 541 TVLENGTYIKDDYIFIKVIVDTSDDLDP 568

RESULT 14
US-08-813-323A-2
Sequence 2, Application US/08813323A
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Cleary, Aileen
APPLICANT: Lederman, Seth
APPLICANT: Ye, Zheng-sheng
TITLE OF INVENTION: TRUNCATED CRAF1 INHIBITS CD40 SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham, LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50659
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..568
US-08-813-323A-2

Query Match 99.2%; Score 2980.5; DB 12; Length 568;
Best Local Similarity 99.5%; Pred. No. 1.8e-216;
Matches 565; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 MESSKMDSPGALQTPPLKLTHTDRSAGTPVPEEGGKREKRVKVEDEKCKECHLV 60
DB 1 MESSKMDSPGALQTPPLKLTHTDRSAGTPVPEEGGKREKRVKVEDEKCKECHLV 60

This Page Blank (uspto)